

# Fort Defiance Agency

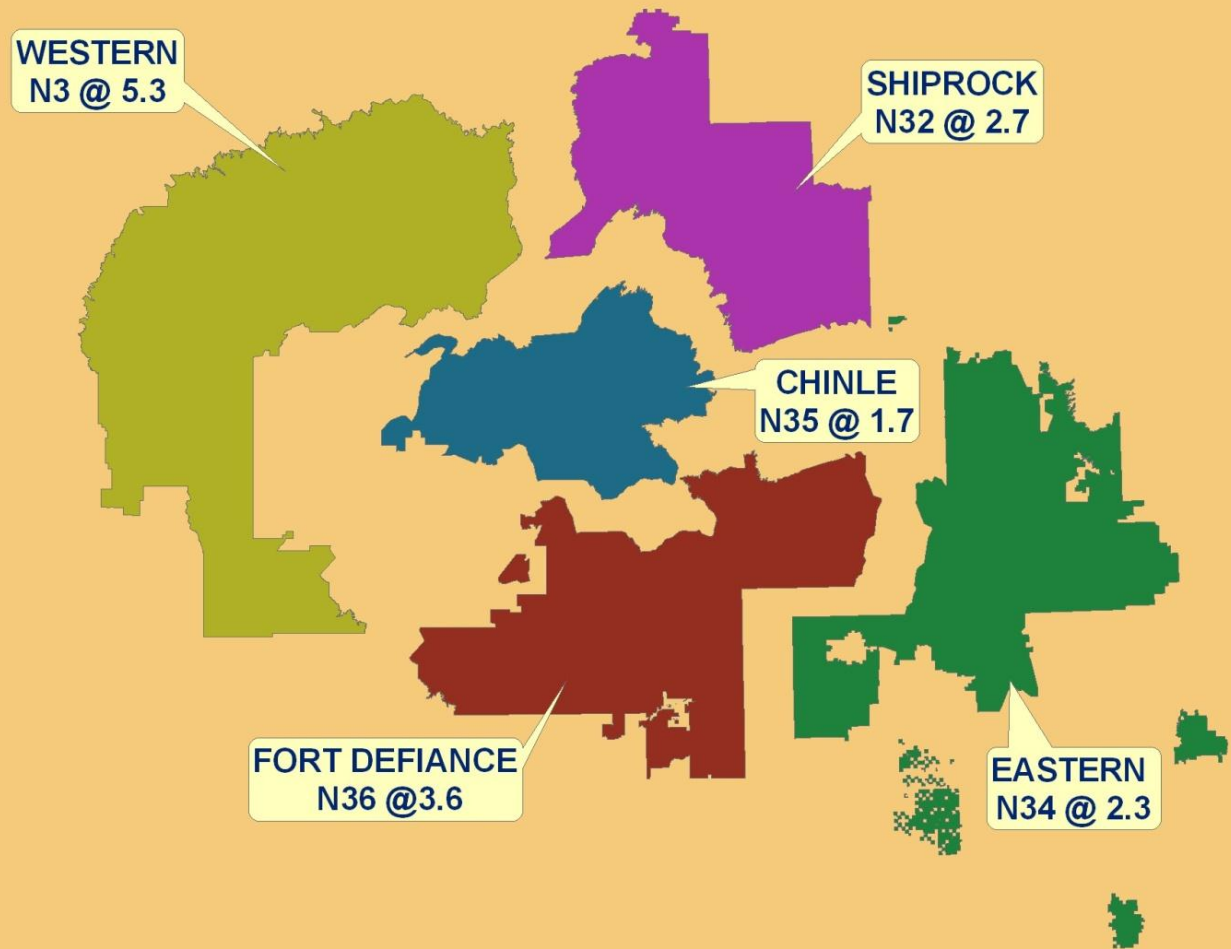


Branch of Natural Resource

Jerome Willie

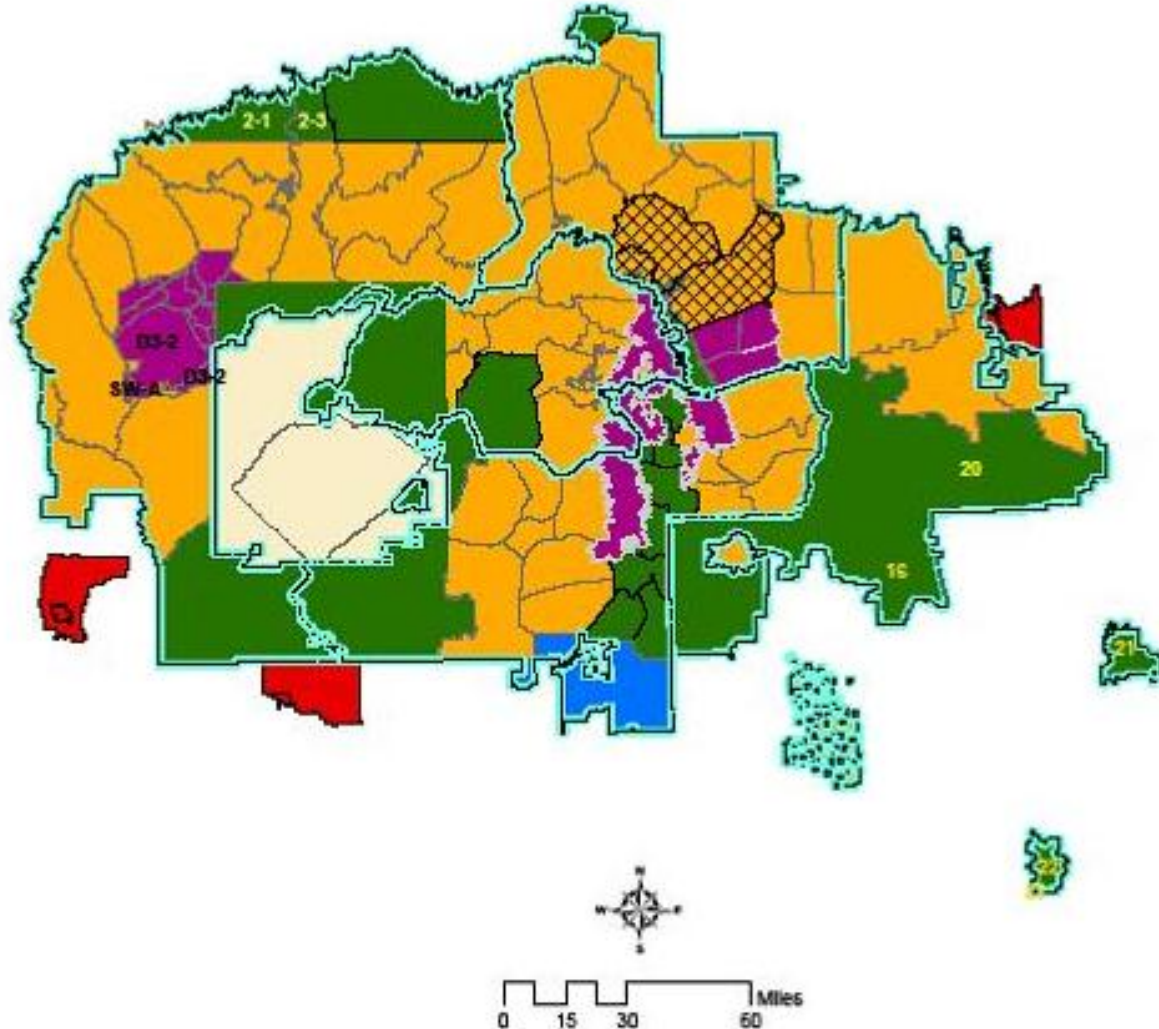
Rangeland Management Specialist

# Agencies within Navajo



**Total acres 16.4 million**  
**(NPL inc)**

# Status of Range Inventory in Navajo Region

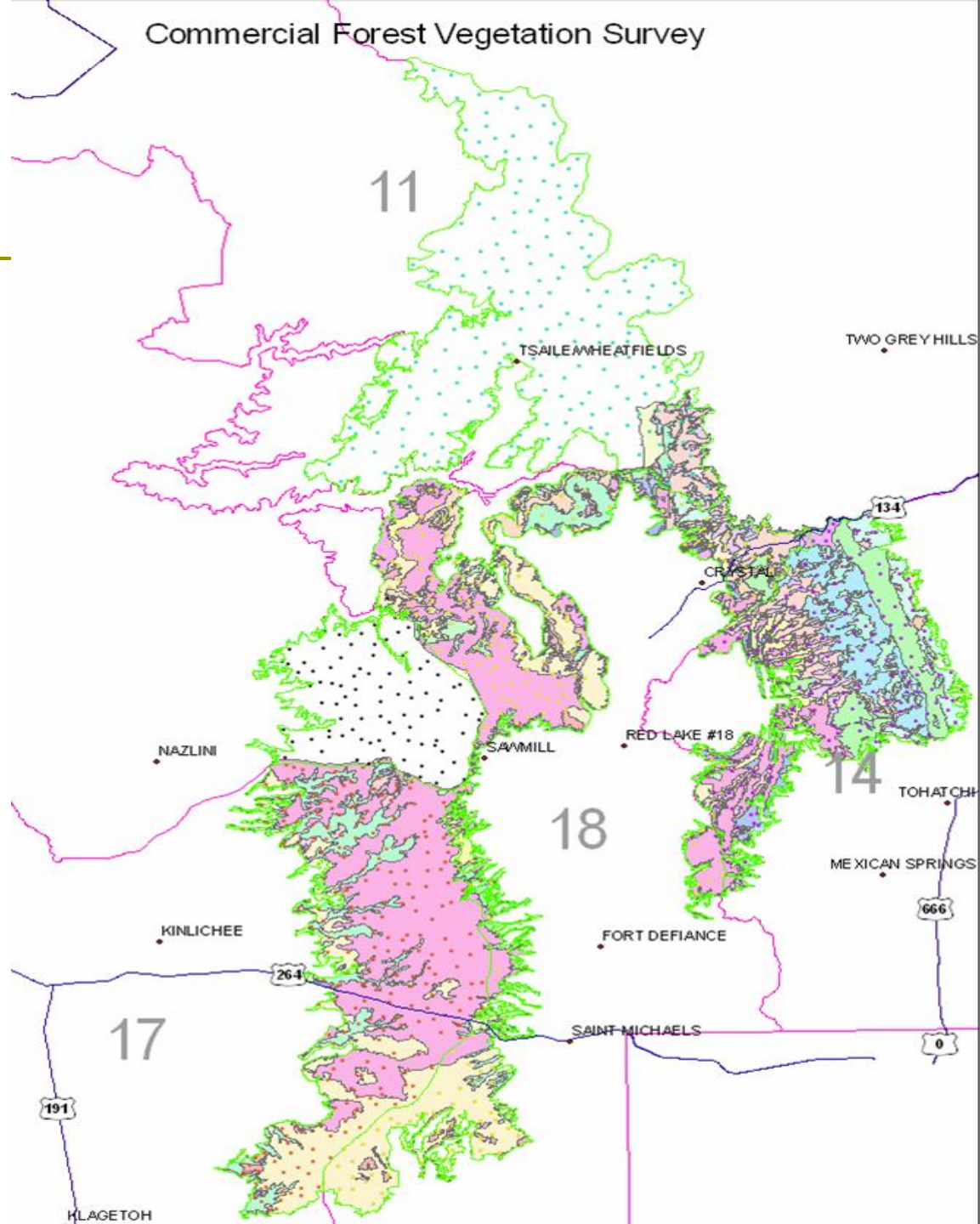


**Number of acres Navajo Region have inventoried to determine carrying capacity, range condition/similarity index, and rangeland health assessment.**

---

<b>Year Completed</b>	<b>Agency</b>	<b>Management District</b>	<b>Acres Surveyed</b>
2004	Navajo Partitioned Lands	NPL	<b>877,000</b>
2004	Eastern Navajo Agency	District 16	<b>386,000</b>
2005	Shiprock Agency	McCracken Mesa	<b>51,500</b>
2005	Western Navajo Agency	District 1 & 3 (Partial Survey)	<b>406,000</b>
2005	Navajo Nation Commercial Forest	Commercial Forest	<b>662,000</b>
2006	Western Navajo Agency	District 5	<b>606,000</b>
2006	Fort Defiance Agency	District 7	<b>592,000</b>
2007	Eastern Navajo Agency	District 20	<b>453,000</b>
2010	Eastern Navajo Agency	District 15	<b>178,000</b>
<b>2011</b>	Fort Defiance Agency	District 18	<b>476,00</b>
<b>TOTAL</b>			<b>4,687,000</b>

# Commercial Forest Vegetation Survey



# Funded for FY 2010

## Acres

Ecological Classification (Chinle (Az713), Little Colorado (AZ707))	3,205,000
--	-----------

District 15 (ENA)	188,868
-------------------	---------

District 18 (Units 1, 2, 3, 4, 5, & 6)	613,727
--	---------

District 1, Units 2, 3, and 4	621,957
-------------------------------	---------

District 10, (Cottonwood)	257,000
---------------------------	---------

<b>Total :</b>	5,971,881 acres
----------------	-----------------

Total Cost:	<b>\$1,377,800</b>
-------------	--------------------

# Value of Ecological Sites

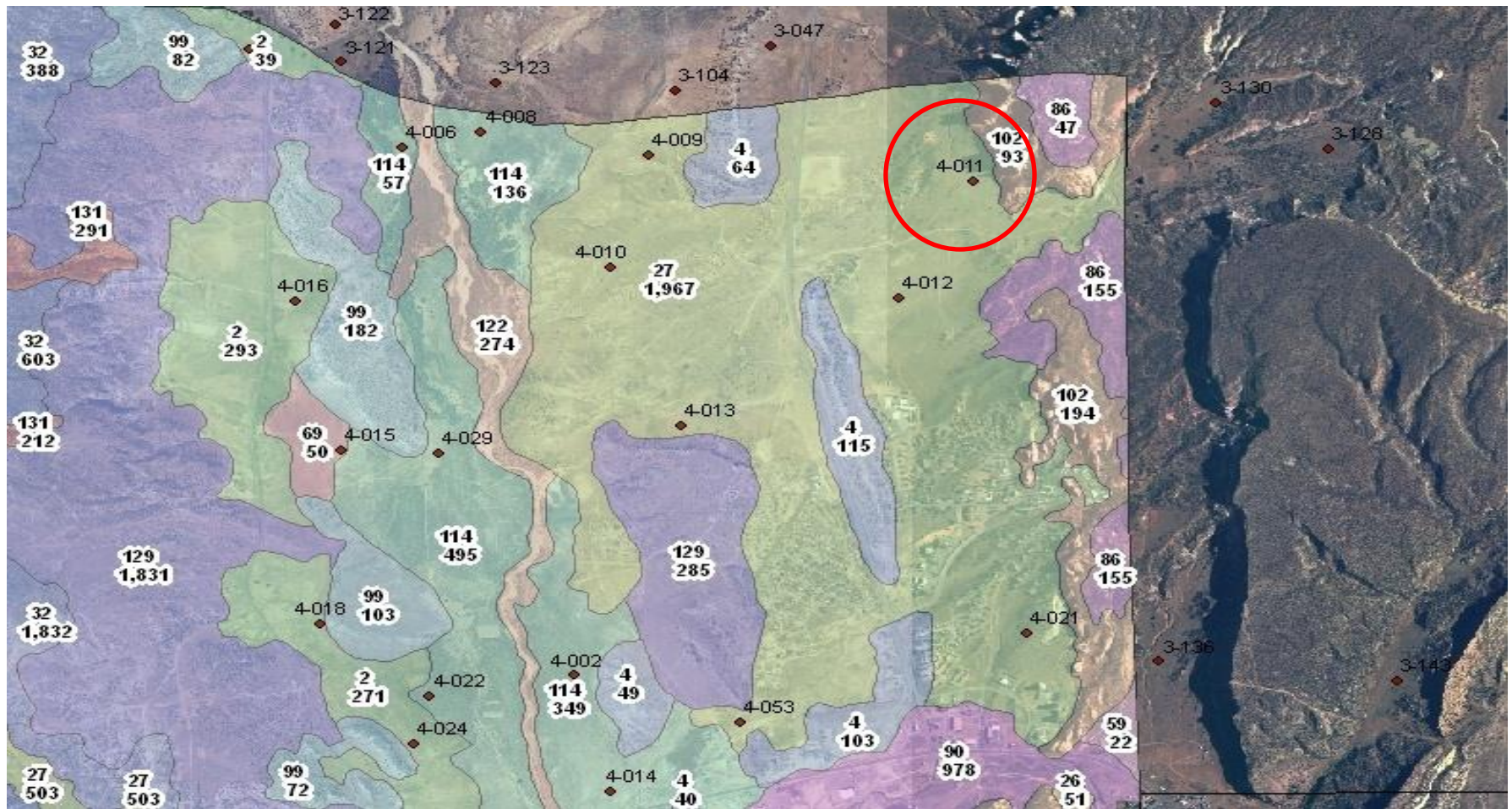
## Descriptions

---

- ❑ Describes interaction among site characteristics, plant communities, and land management
- ❑ Assess condition of current resources
- ❑ Assess management opportunities and objectives
- ❑ Predict the outcome of management decisions

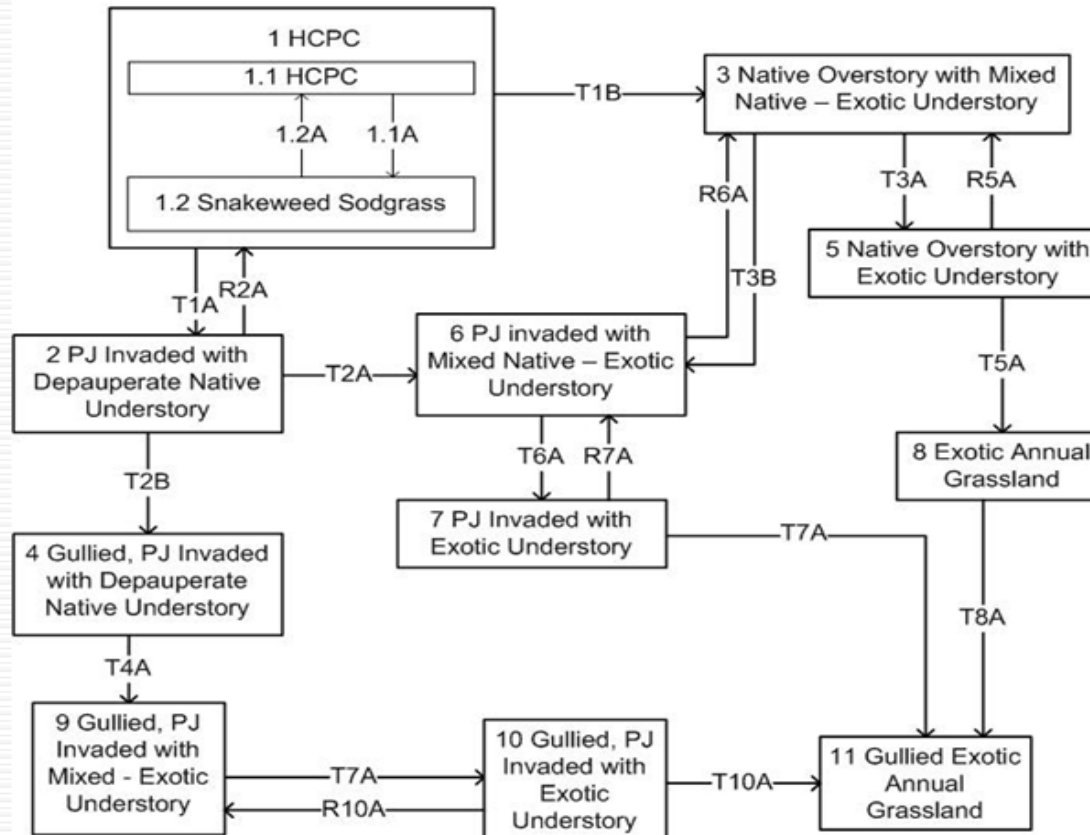


# Ecological Sites





**ESD site**



### Historic Climax Plant Community

The dominant aspect is a cold desert shrub grassland. This site has a plant community made up primarily of mid and short grasses with a relatively small percentage of forbs and shrubs. In the original plant community there is a predominance of warm season grasses with shrubs, half shrubs, and cool season grasses.

Plant species most likely to invade or increase on this site when it deteriorates are broom snakeweed, rabbit brush and annuals.

Past



Present



# Equipment Adjustment, Transect Study — Plot Procedures, Techniques —

How to weigh clipped  
vegetation properly





# Data Recording

---



**Clip**



**We do this at each transect so we can estimate weight of vegetation accurately**

**Bag**



**Weigh**



**On each study plot we do not clip plant in the plot ...we estimate the weight then clip off plot in the transect area**



# DUST FROM NE ARIZONA

UT

CO

AZ

NM



Flagstaff, AZ





